

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\  
 Data File : BF112352.D  
 Acq On : 1 Feb 2019 15:35  
 Operator : JU/SJ  
 Sample : K1299-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 0037-COMP-3

Quant Time: Feb 01 16:16:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 166853   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.12  | 136  | 643162   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.87  | 164  | 320825   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 580867   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 14.00 | 240  | 327817   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.47 | 264  | 358671   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.47  | 112 | 1008275 | 128.36 | ng | 0.00  |
| 7) Phenol-d6                | 6.49  | 99  | 1230764 | 112.75 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.40  | 82  | 772860  | 69.24  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330 | 389404  | 104.28 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 9.19  | 172 | 1300944 | 57.35  | ng | -0.01 |
| 79) Terphenyl-d14           | 12.94 | 244 | 1111403 | 63.85  | ng | -0.01 |

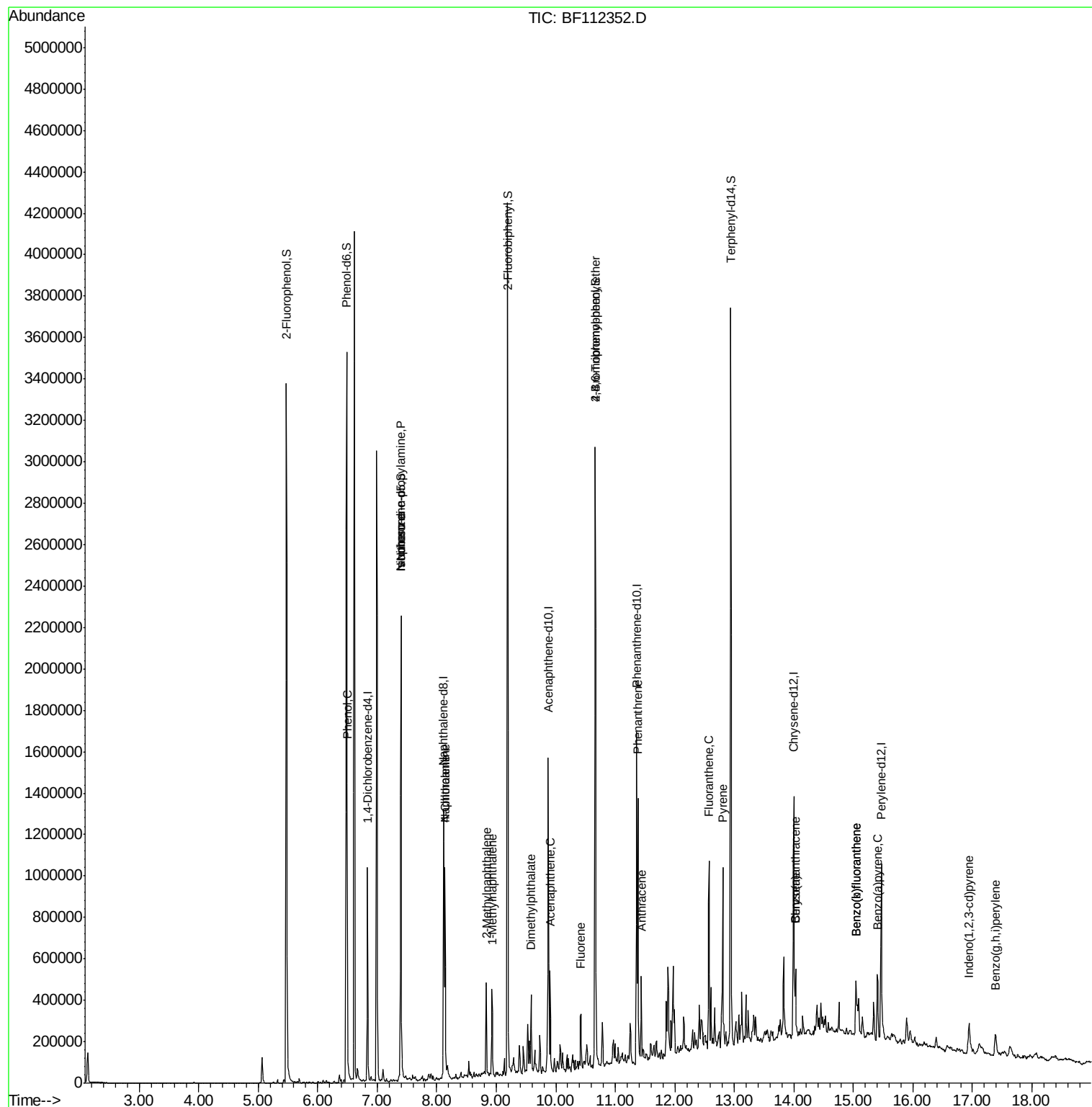
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 10) Phenol                     | 6.50  | 94  | 28317  | 2.365  | ng | 83   |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70  | 102198 | 13.578 | ng | # 78 |
| 25) Isophorone                 | 7.40  | 82  | 772515 | 44.116 | ng | # 64 |
| 31) Naphthalene                | 8.14  | 128 | 437697 | 14.553 | ng | 98   |
| 33) 4-Chloroaniline            | 8.14  | 127 | 58832  | 4.492  | ng | # 36 |
| 37) 2-Methylnaphthalene        | 8.83  | 142 | 142436 | 6.918  | ng | 97   |
| 38) 1-Methylnaphthalene        | 8.93  | 142 | 112577 | 5.704  | ng | 97   |
| 50) Dimethylphthalate          | 9.59  | 163 | 141188 | 5.664  | ng | 99   |
| 52) Acenaphthene               | 9.90  | 154 | 97962  | 5.144  | ng | 98   |
| 58) Fluorene                   | 10.42 | 166 | 77271  | 3.548  | ng | 100  |
| 67) 4-Bromophenyl-phenylether  | 10.66 | 248 | 23497  | 3.439  | ng | # 1  |
| 71) Phenanthrene               | 11.38 | 178 | 445918 | 14.766 | ng | 98   |
| 72) Anthracene                 | 11.43 | 178 | 154925 | 5.150  | ng | 98   |
| 75) Fluoranthene               | 12.57 | 202 | 334864 | 10.339 | ng | 97   |
| 78) Pyrene                     | 12.80 | 202 | 359058 | 15.820 | ng | 98   |
| 81) Benzo(a)anthracene         | 14.03 | 228 | 135067 | 7.009  | ng | 96   |
| 83) Chrysene                   | 14.03 | 228 | 135067 | 7.343  | ng | 98   |
| 86) Indeno(1,2,3-cd)pyrene     | 16.94 | 276 | 83535  | 5.731  | ng | # 92 |
| 88) Benzo(b)fluoranthene       | 15.04 | 252 | 207812 | 9.688  | ng | 99   |
| 89) Benzo(k)fluoranthene       | 15.04 | 252 | 207812 | 10.114 | ng | 99   |
| 90) Benzo(a)pyrene             | 15.40 | 252 | 153957 | 7.977  | ng | 97   |
| 92) Benzo(g,h,i)perylene       | 17.39 | 276 | 82144  | 5.597  | ng | 96   |

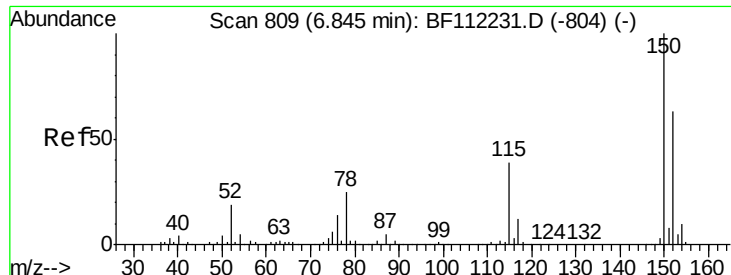
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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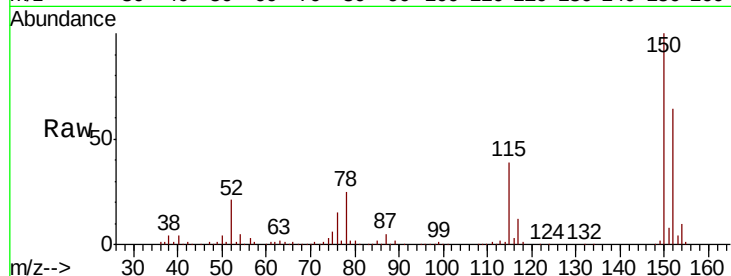


#1

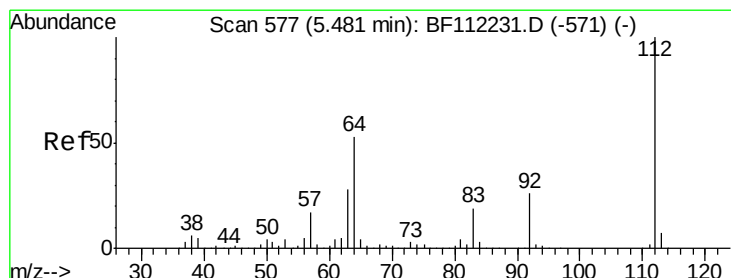
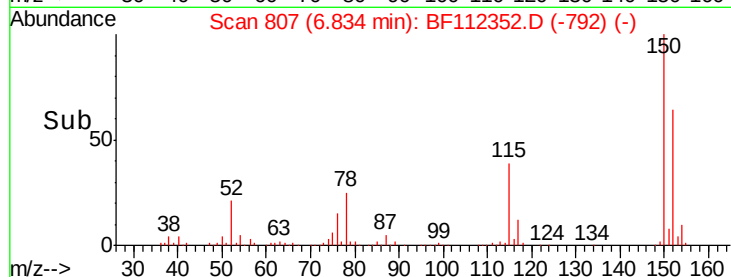
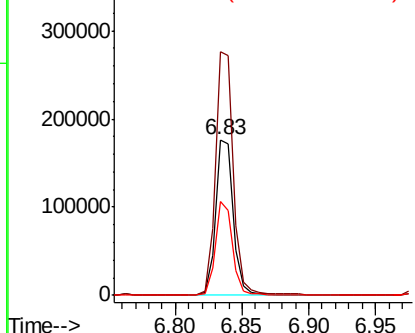
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: BF112352.D  
 Acq: 1 Feb 2019 15:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 0037-COMP-3

Tot Ion:152 Resp: 166853  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 127.4 191.0  
 115 60.5 45.5 68.3



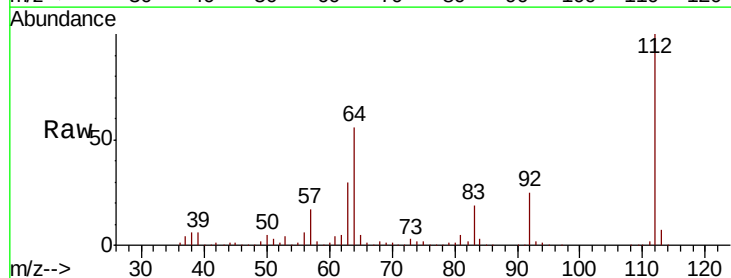
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



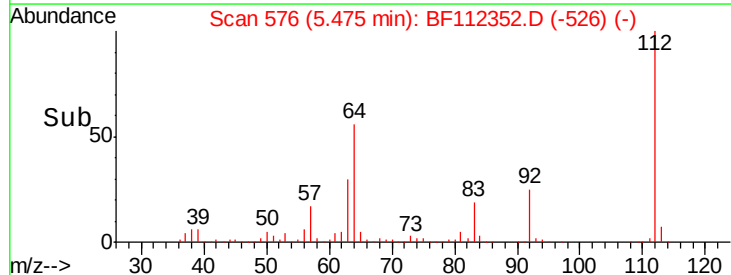
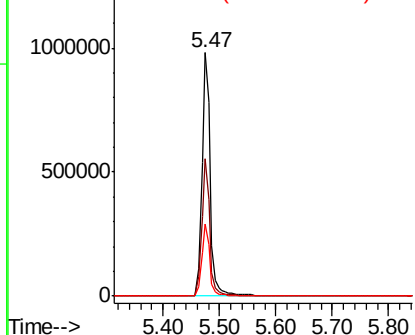
#5

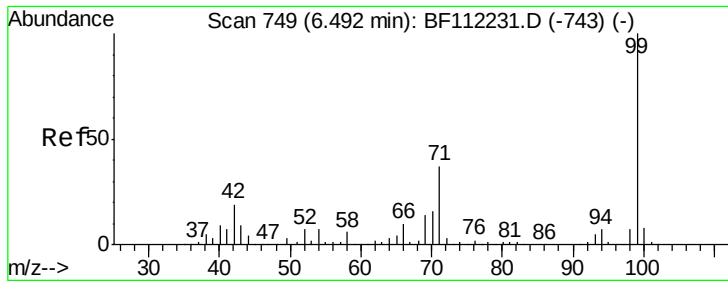
2-Fluorophenol  
 Concen: 128.355 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. -0.01 min  
 Lab File: BF112352.D  
 Acq: 1 Feb 2019 15:35

Tgt Ion:112 Resp: 1008275  
 Ion Ratio Lower Upper  
 112 100  
 64 56.3 45.7 68.5  
 63 29.8 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.755 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA\_F

ClientSampleId :

0037-COMP-3

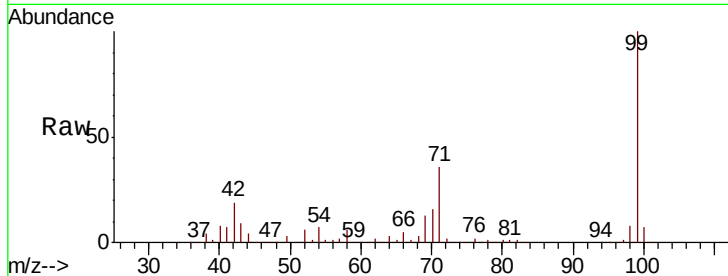
Tot Ion: 99 Resp: 1230764

Ion Ratio Lower Upper

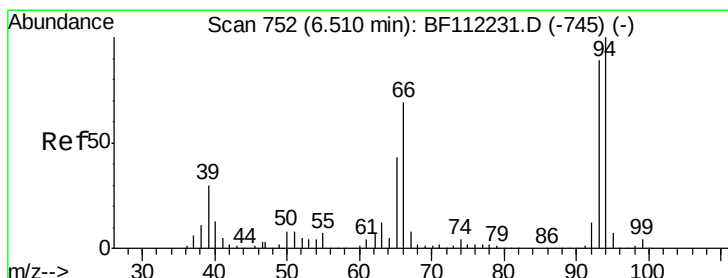
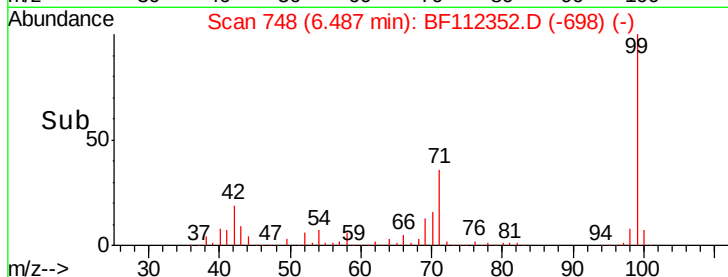
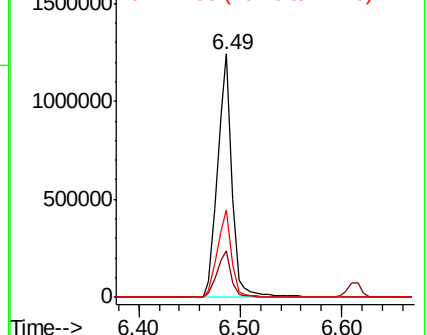
99 100

42 18.9 15.1 22.7

71 35.7 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.365 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

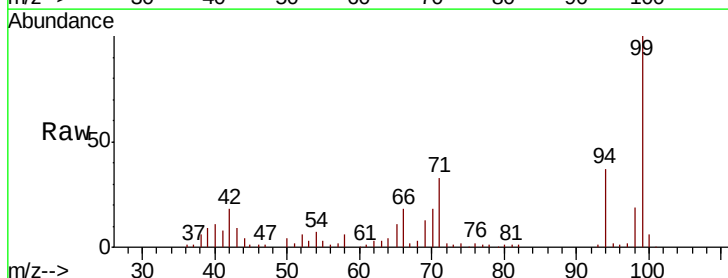
Tgt Ion: 94 Resp: 28317

Ion Ratio Lower Upper

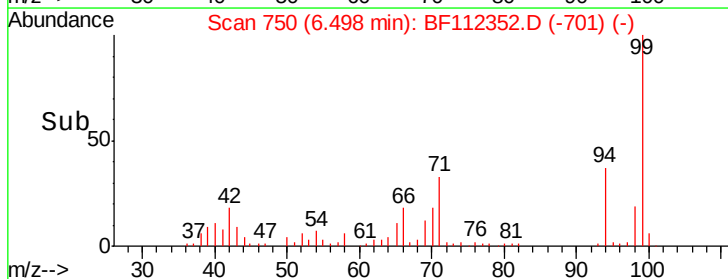
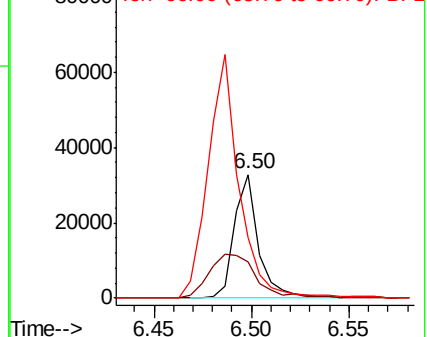
94 100

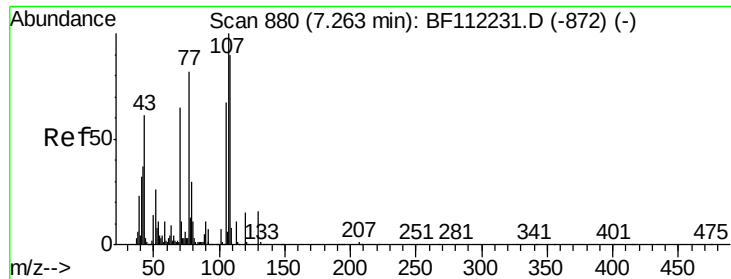
65 29.5 20.3 60.3

66 49.0 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

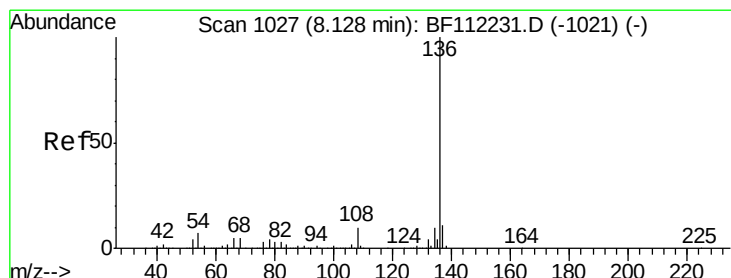
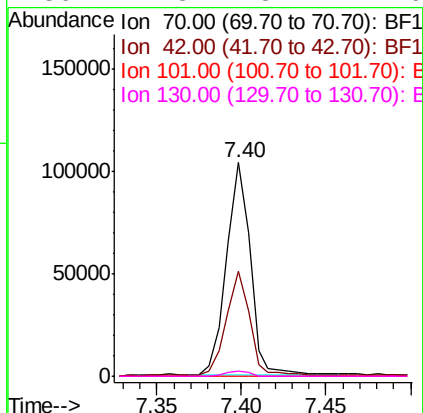
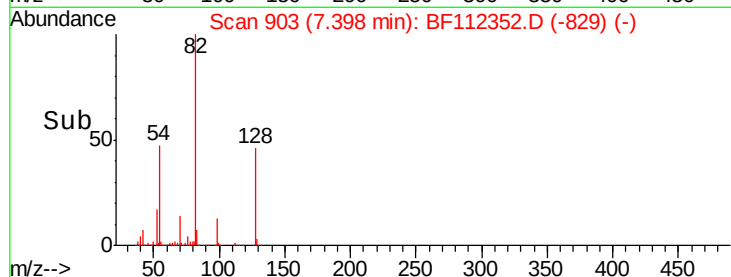
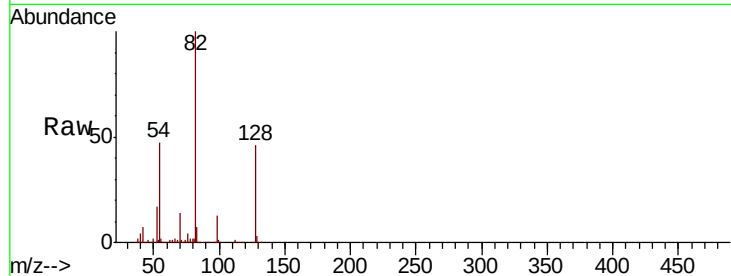




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.578 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.14 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

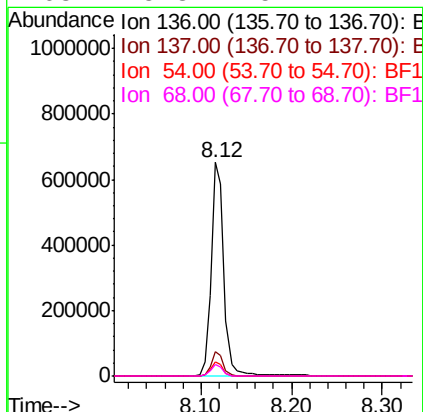
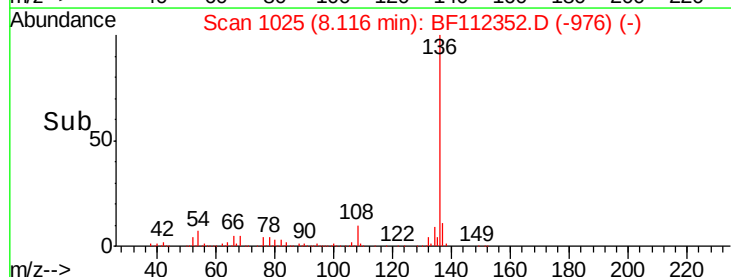
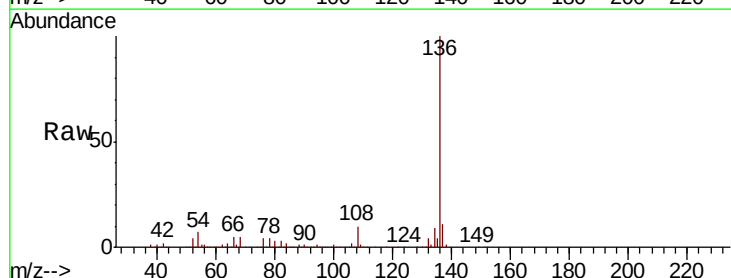
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BNA\_F  
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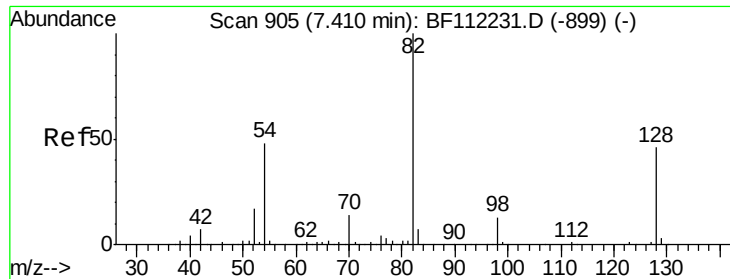
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 49.2  | 47.6  | 71.4  |
| 101     | 0.0   | 7.9   | 11.9# |
| 130     | 2.3   | 18.4  | 27.6# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.4  | 9.1   | 13.7  |
| 54      | 6.8   | 5.9   | 8.9   |
| 68      | 5.3   | 5.1   | 7.7   |

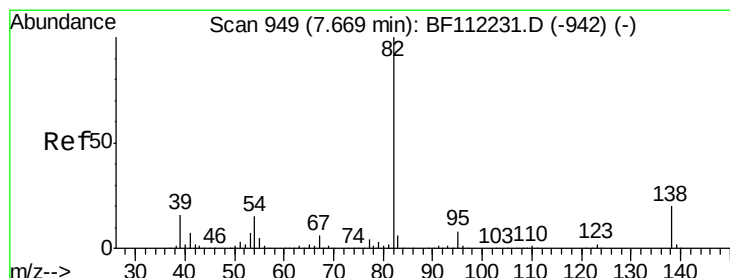
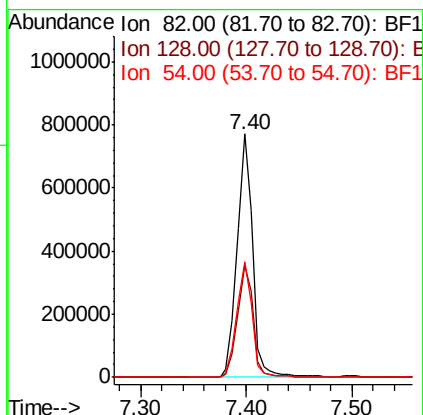
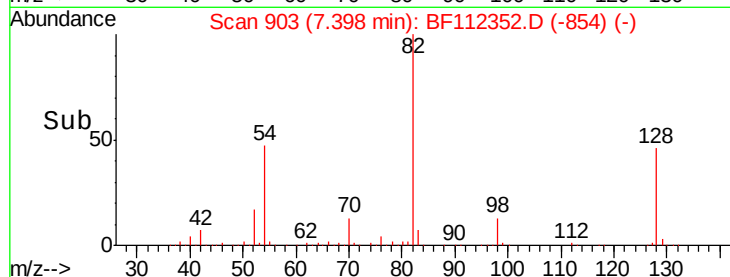
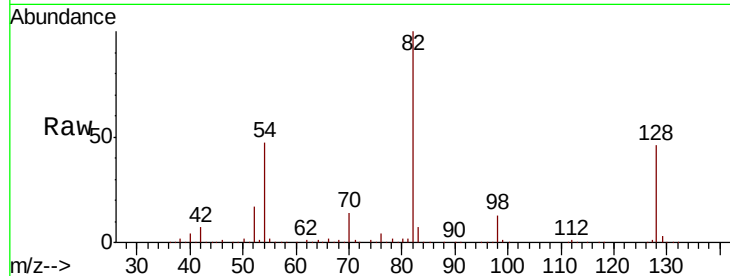




#23  
Nitrobenzene-d5  
Concen: 69.239 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

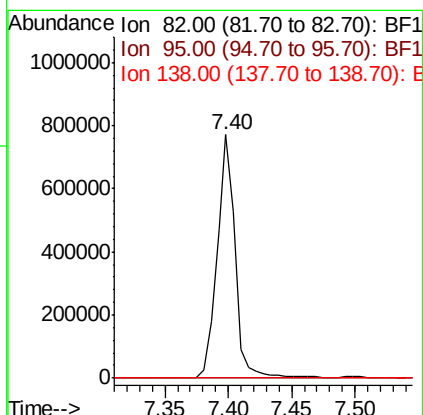
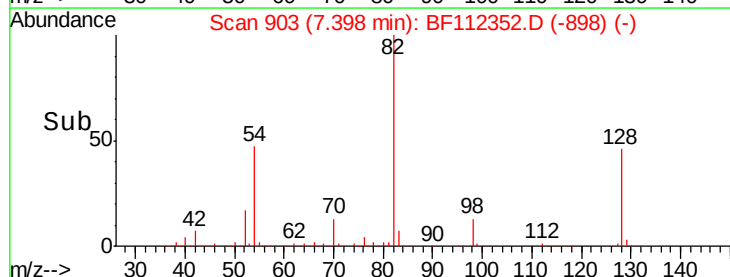
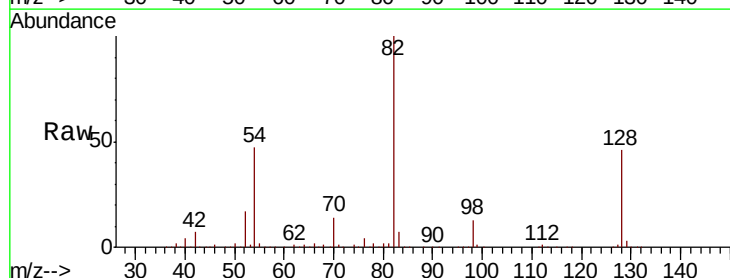
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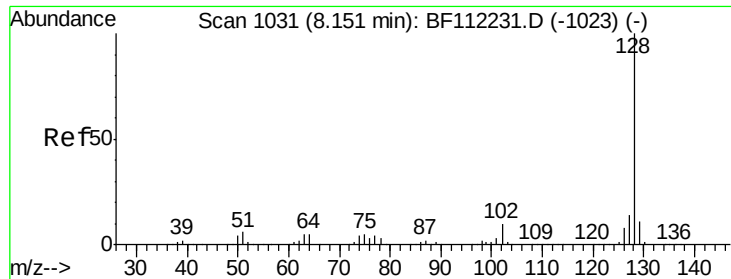
Tot Ion: 82 Resp: 772860  
Ion Ratio Lower Upper  
82 100  
128 46.0 37.8 56.8  
54 47.3 39.7 59.5



#25  
Isophorone  
Concen: 44.116 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.27 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

Tgt Ion: 82 Resp: 772515  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.7 8.5#  
138 0.0 15.4 23.0#

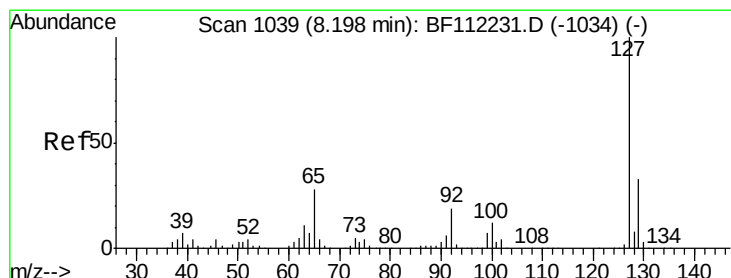
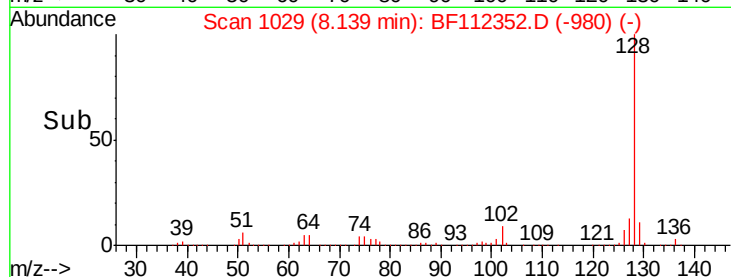
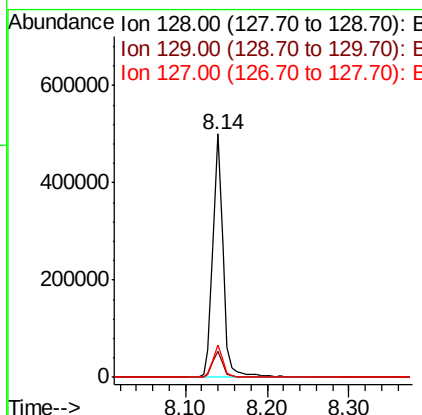
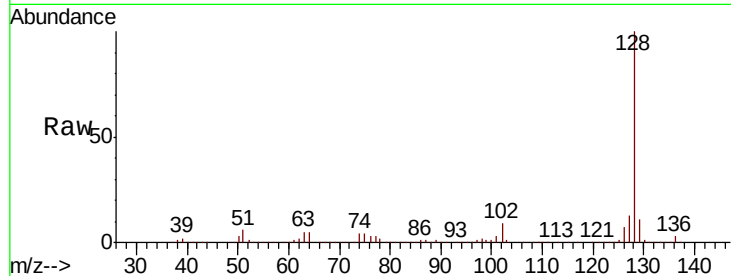




#31  
Naphthalene  
Concen: 14.553 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

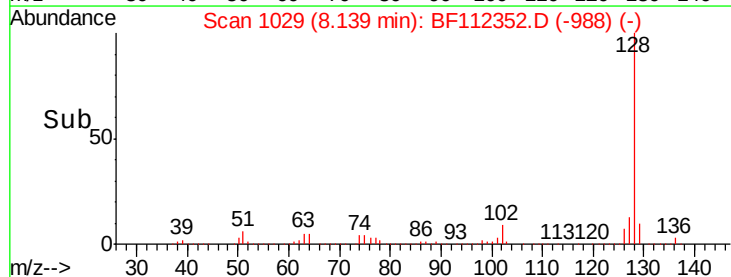
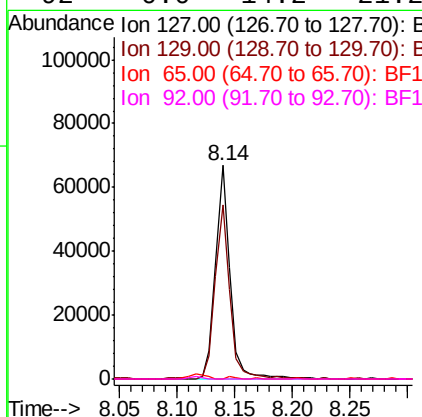
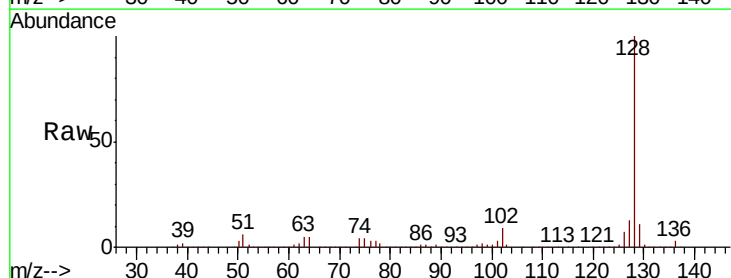
Instrument :  
BNA\_F  
ClientSampleId :  
0037-COMP-3

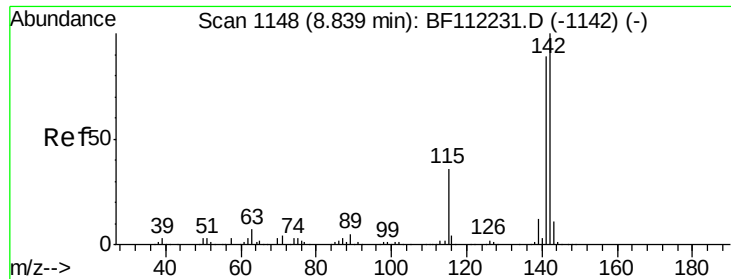
Tot Ion:128 Resp: 437697  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.6 14.4  
127 13.4 11.1 16.7



#33  
4-Chloroaniline  
Concen: 4.492 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.06 min  
Lab File: BF112352.D  
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Tgt Ion:127 Resp: 58832  
Ion Ratio Lower Upper  
127 100  
129 81.8 26.6 39.8#  
65 0.0 21.4 32.2#  
92 0.0 14.2 21.2#

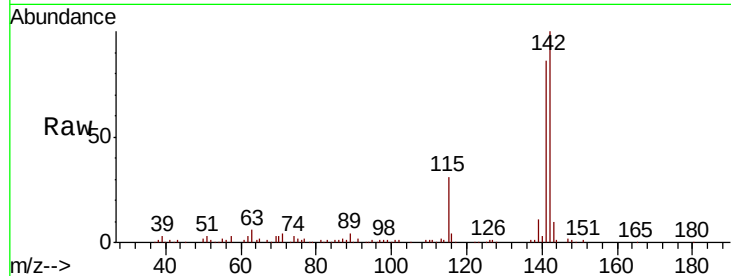




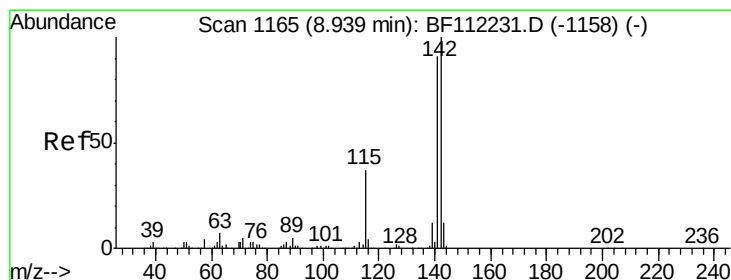
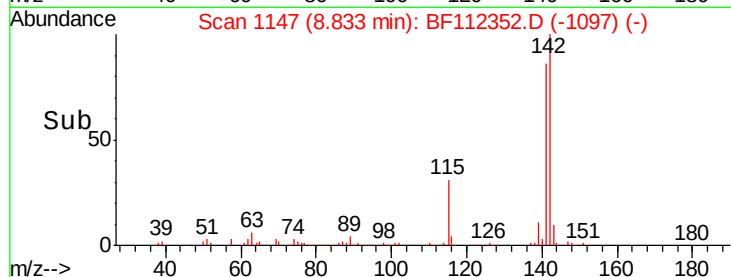
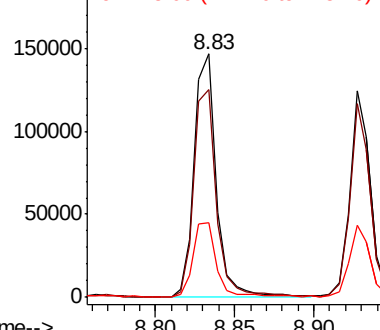
#37  
2-Methylnaphthalene  
Concen: 6.918 ng  
RT: 8.83 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

Instrument :  
BNA\_F  
ClientSampleId :  
0037-COMP-3

Tot Ion:142 Resp: 142436  
Ion Ratio Lower Upper  
142 100  
141 85.6 70.9 106.3  
115 30.5 24.9 37.3

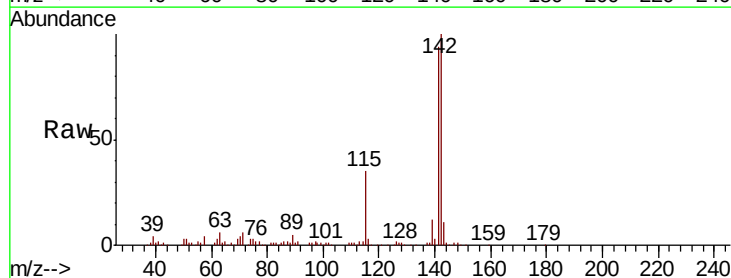


Abundance Ion 142.00 (141.70 to 142.70): E  
200000 Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

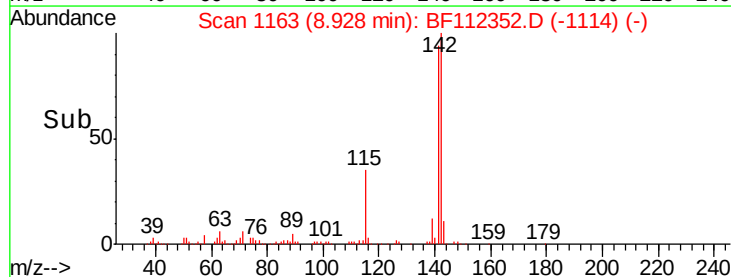
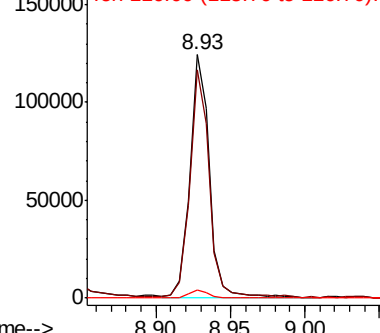


#38  
1-Methylnaphthalene  
Concen: 5.704 ng  
RT: 8.93 min Scan# 1163  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

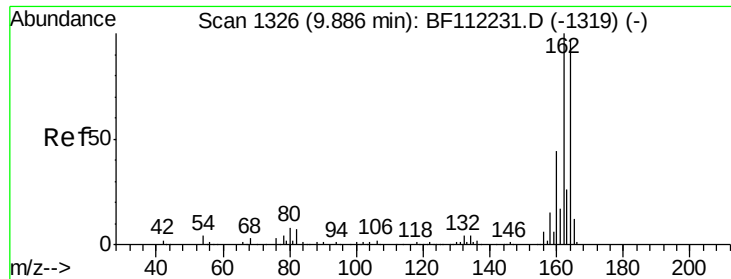
Tgt Ion:142 Resp: 112577  
Ion Ratio Lower Upper  
142 100  
141 93.9 72.6 108.8  
116 3.4 2.8 4.2



Abundance Ion 142.00 (141.70 to 142.70): E  
150000 Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E



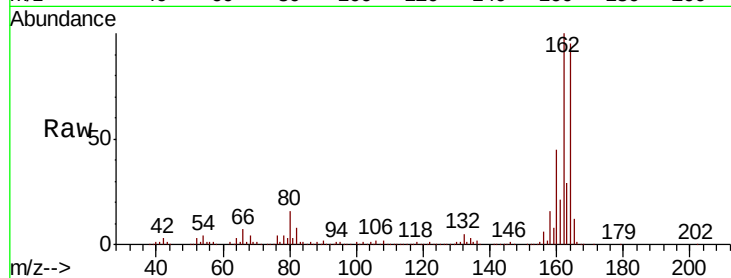




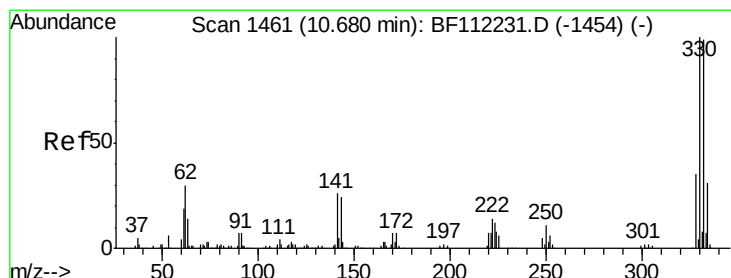
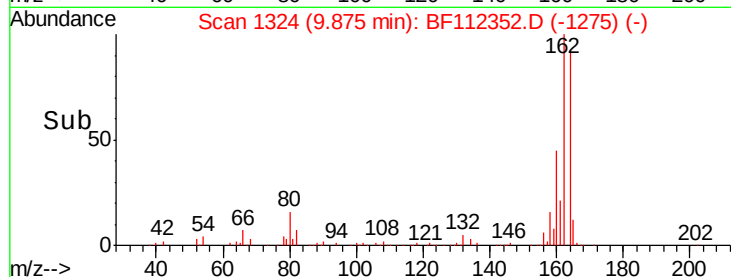
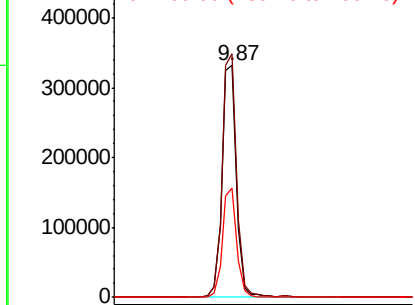
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF112352.D  
 Acq: 1 Feb 2019 15:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 0037-COMP-3

Tot Ion:164 Resp: 320825  
 Ion Ratio Lower Upper  
 164 100  
 162 105.0 82.2 123.4  
 160 47.3 36.2 54.4

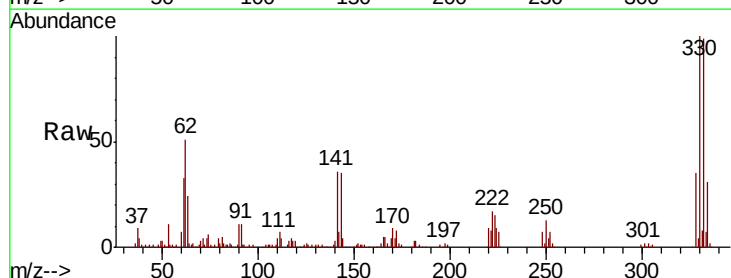


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

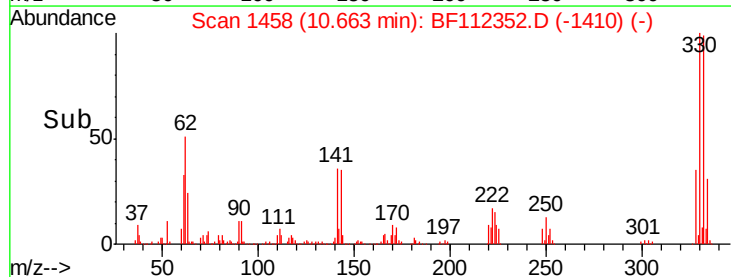
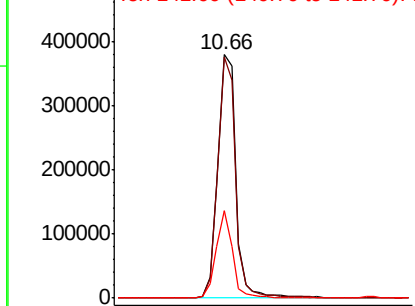


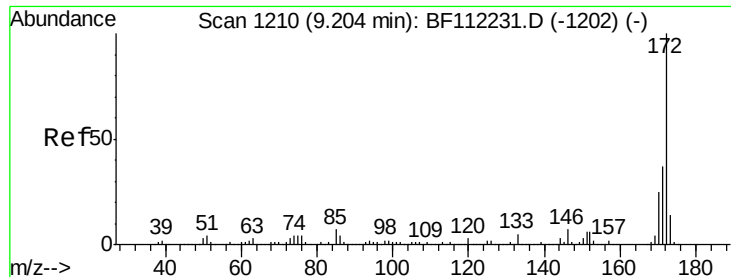
#42  
 2,4,6-Tribromophenol  
 Concen: 104.277 ng  
 RT: 10.66 min Scan# 1458  
 Delta R.T. -0.02 min  
 Lab File: BF112352.D  
 Acq: 1 Feb 2019 15:35

Tgt Ion:330 Resp: 389404  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 76.6 114.8  
 141 32.0 24.3 36.5



Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

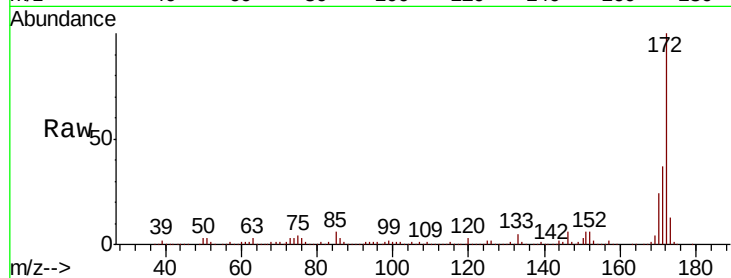




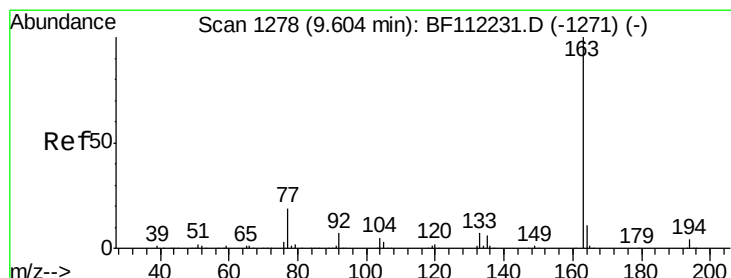
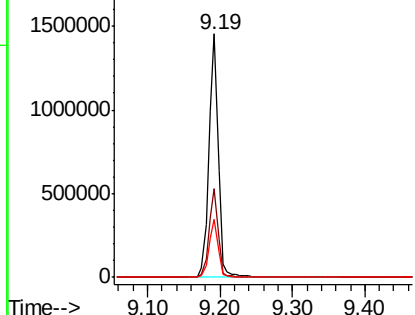
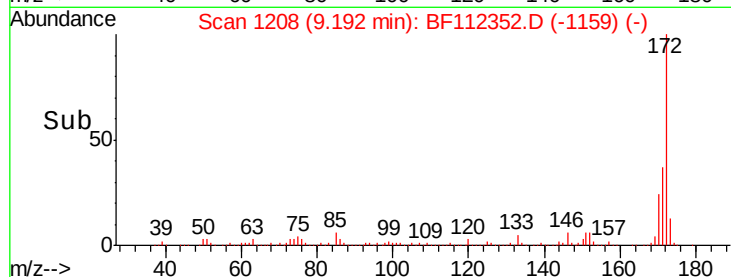
#45  
2-Fluorobiphenyl  
Concen: 57.351 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

Instrument :  
BNA\_F  
ClientSampleId :  
0037-COMP-3

Tot Ion:172 Resp: 1300944  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.5 45.7  
170 24.0 20.2 30.4

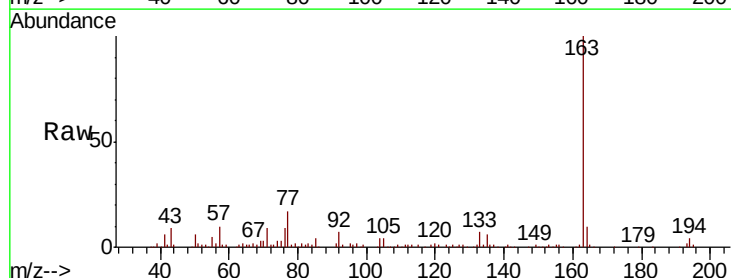


Abundance Ion 172.00 (171.70 to 172.70): E  
2000000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

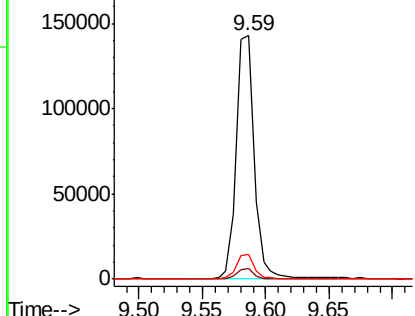
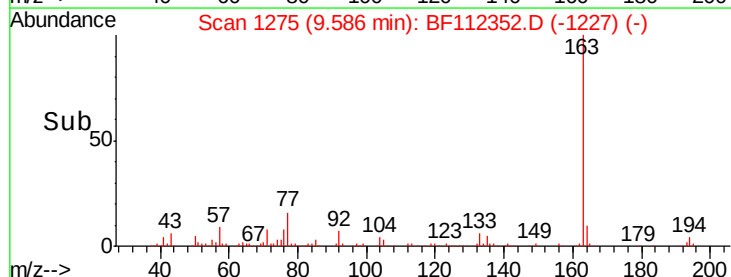


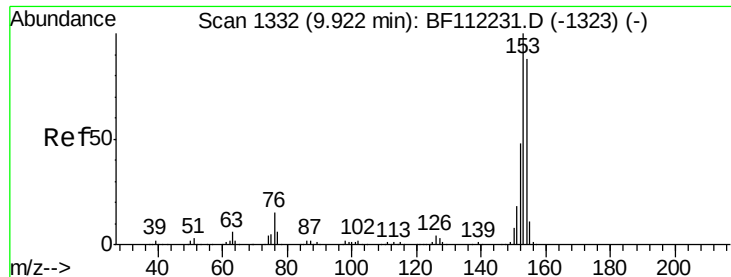
#50  
Dimethylphthalate  
Concen: 5.664 ng  
RT: 9.59 min Scan# 1275  
Delta R.T. -0.02 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

Tgt Ion:163 Resp: 141188  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.3 4.9  
164 10.2 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E  
150000 Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 5.144 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA\_F

ClientSampleId :

0037-COMP-3

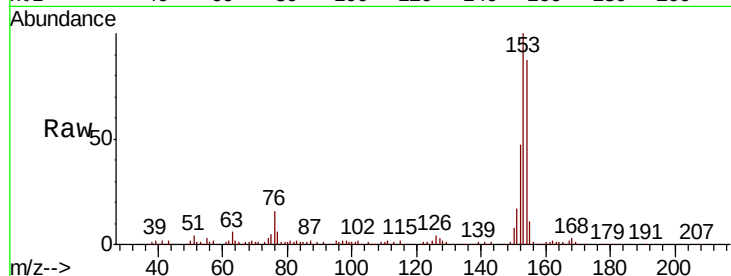
Tot Ion:154 Resp: 97962

Ion Ratio Lower Upper

154 100

153 114.7 89.8 134.6

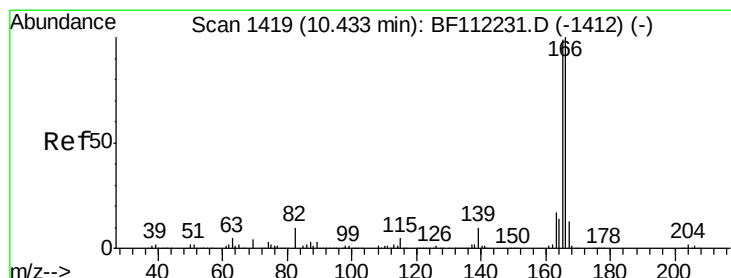
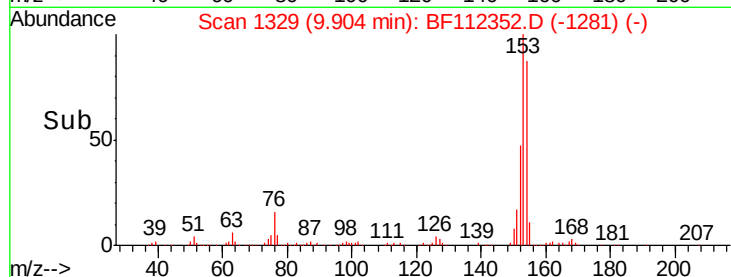
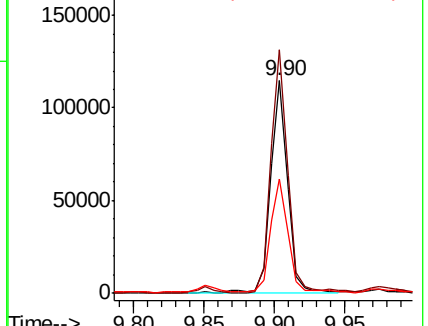
152 53.7 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 3.548 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

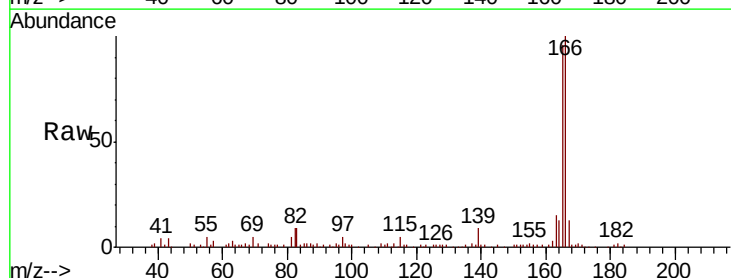
Tgt Ion:166 Resp: 77271

Ion Ratio Lower Upper

166 100

165 96.3 77.1 115.7

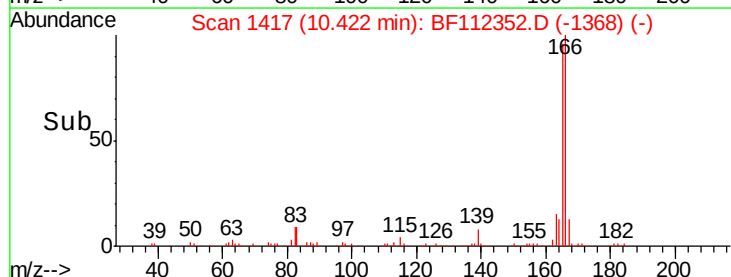
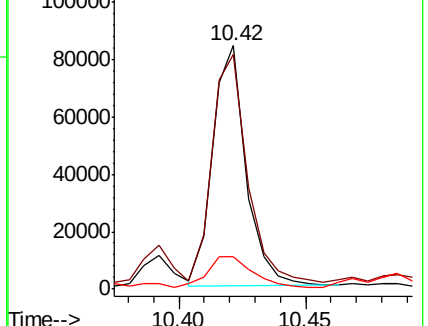
167 13.4 11.3 16.9

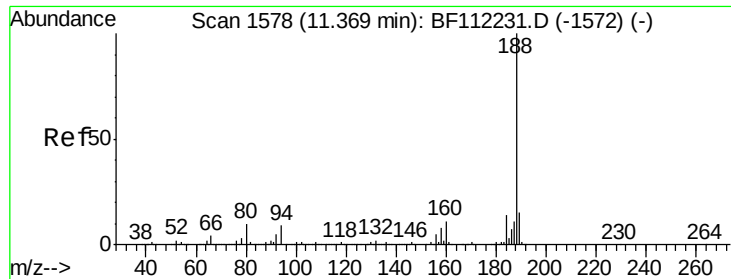


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

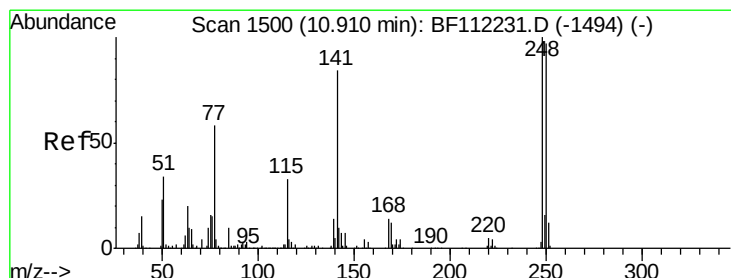
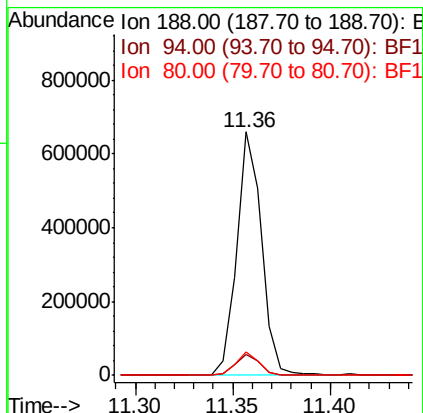
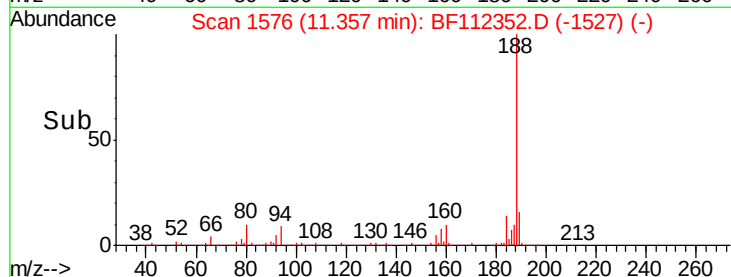
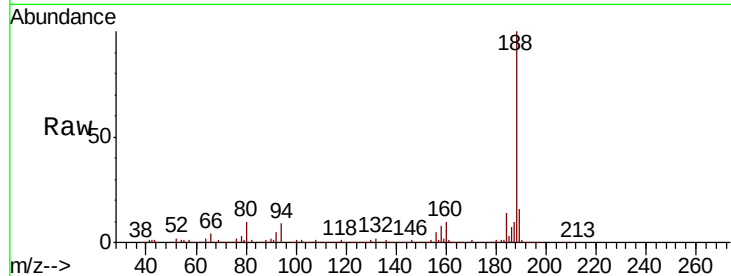




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1576  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

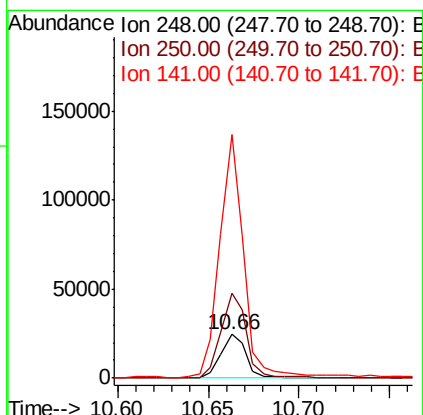
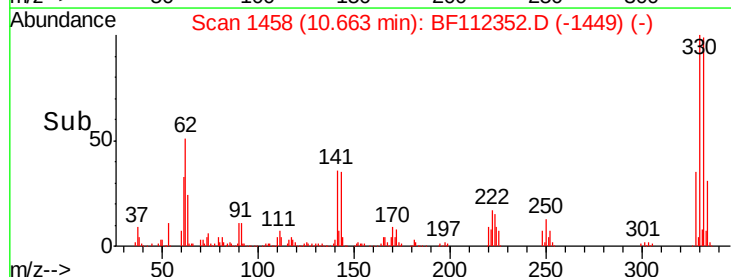
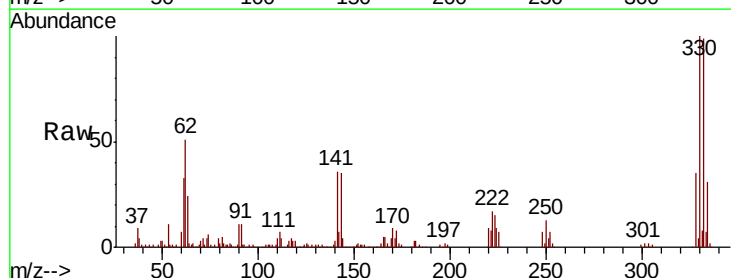
Instrument :  
BNA\_F  
ClientSampleId :  
0037-COMP-3

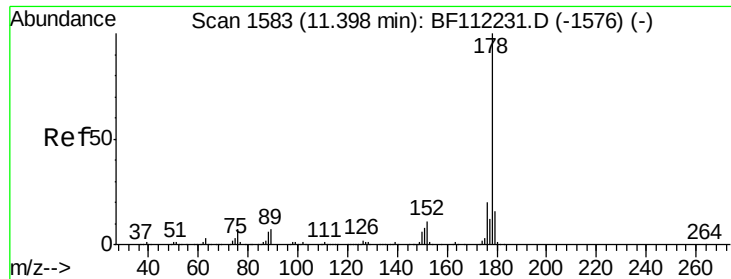
Tot Ion:188 Resp: 580867  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.2 12.2  
80 9.5 8.9 13.3



#67  
4-Bromophenyl-phenylether  
Concen: 3.439 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. -0.25 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

Tgt Ion:248 Resp: 23497  
Ion Ratio Lower Upper  
248 100  
250 194.0 79.7 119.5#  
141 555.1 60.3 90.5#

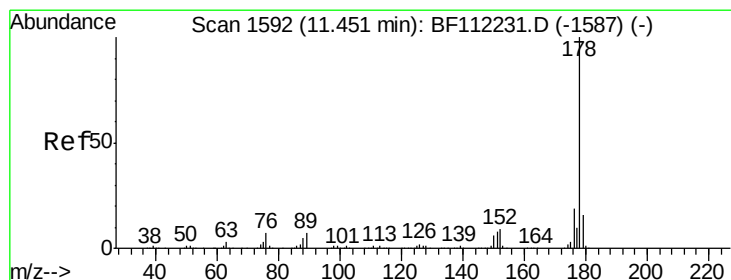
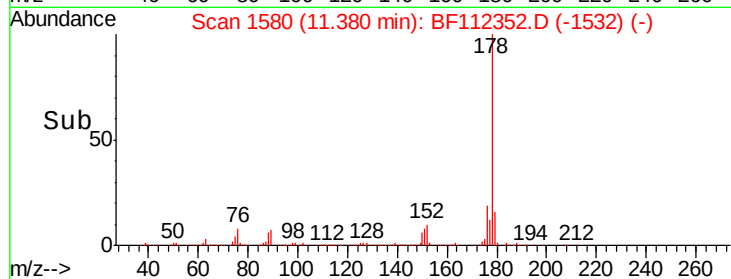
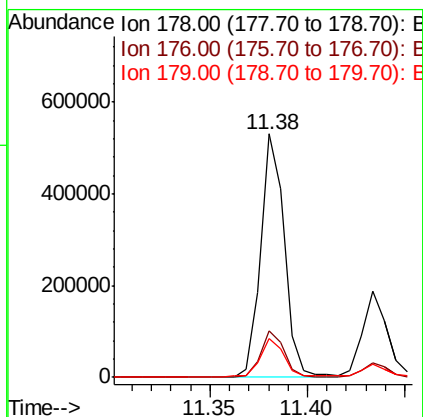
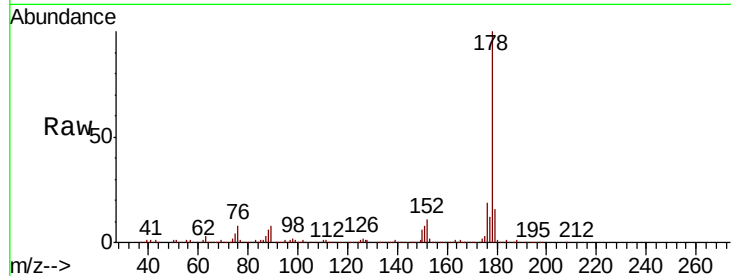




#71  
Phenanthrene  
Concen: 14.766 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.02 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

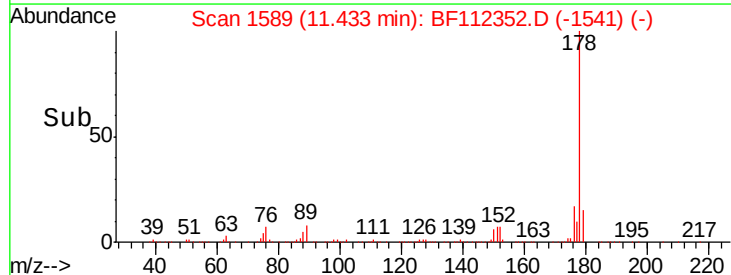
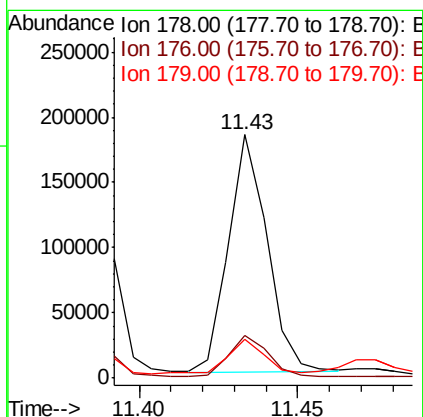
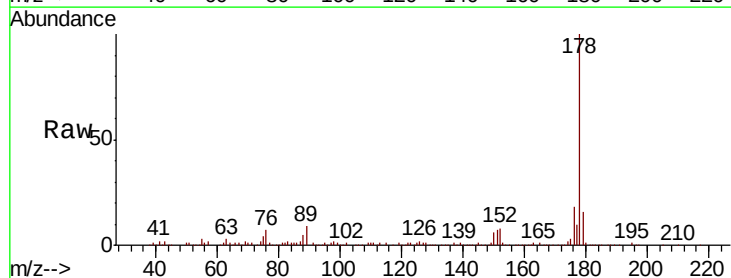
Instrument :  
BNA\_F  
ClientSampleId :  
0037-COMP-3

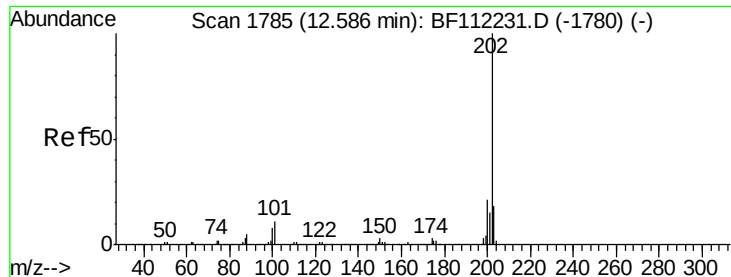
Tot Ion:178 Resp: 445918  
Ion Ratio Lower Upper  
178 100  
176 19.2 16.3 24.5  
179 15.7 13.0 19.4



#72  
Anthracene  
Concen: 5.150 ng  
RT: 11.43 min Scan# 1589  
Delta R.T. -0.02 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

Tgt Ion:178 Resp: 154925  
Ion Ratio Lower Upper  
178 100  
176 17.6 15.5 23.3  
179 15.8 12.8 19.2





#75

Fluoranthene

Concen: 10.339 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA\_F

ClientSampleId :

0037-COMP-3

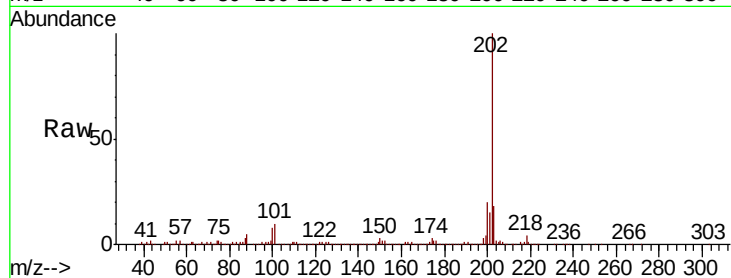
Tot Ion:202 Resp: 334864

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.8

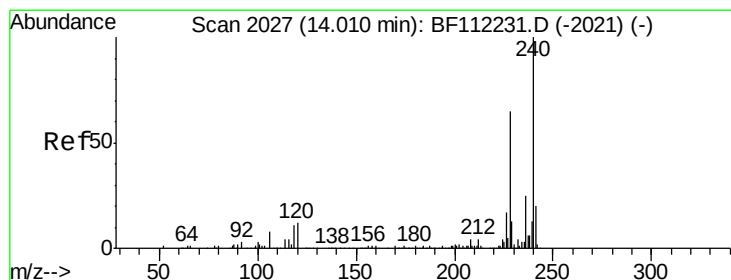
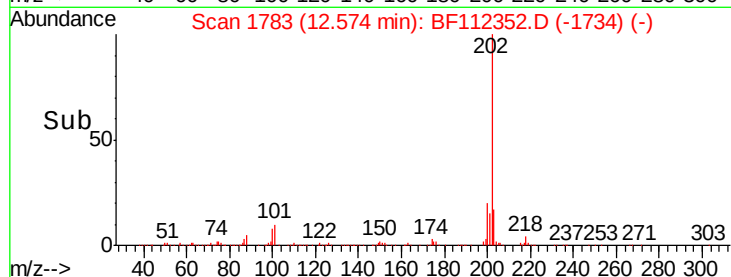
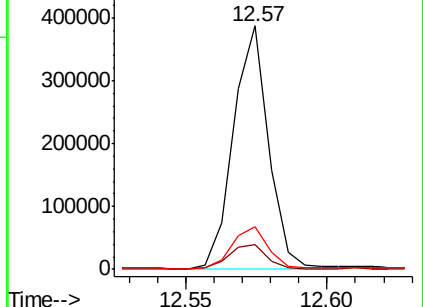
203 17.5 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

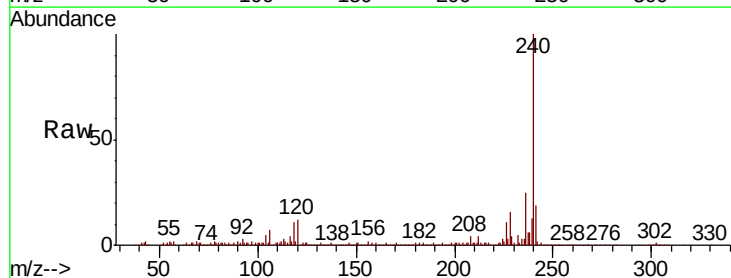
Tgt Ion:240 Resp: 327817

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.6

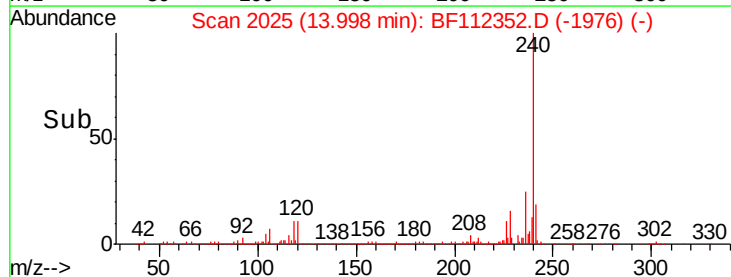
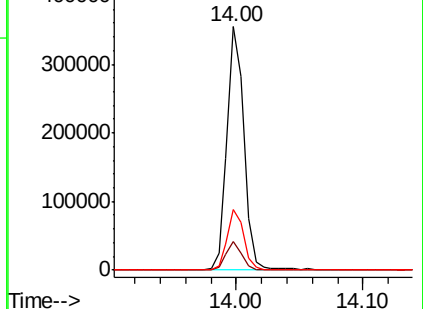
236 24.6 20.7 31.1

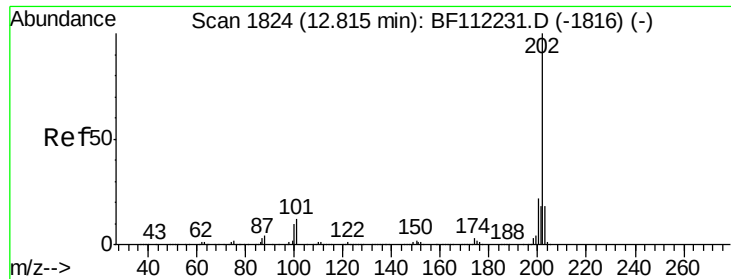


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 15.820 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA\_F

ClientSampleId :

0037-COMP-3

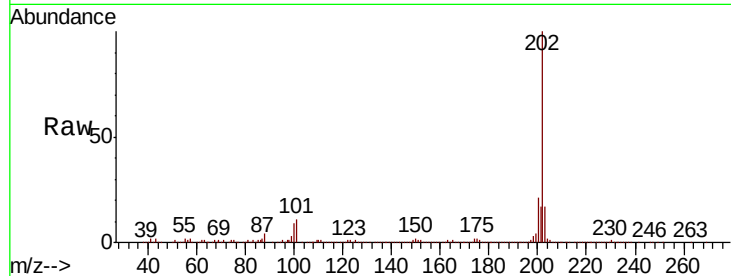
Tot Ion:202 Resp: 359058

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

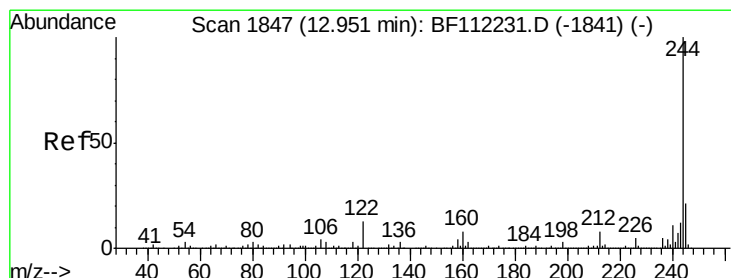
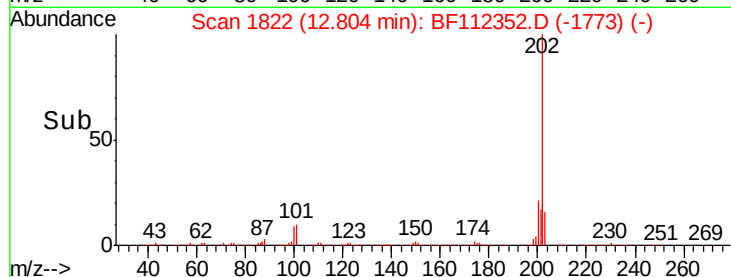
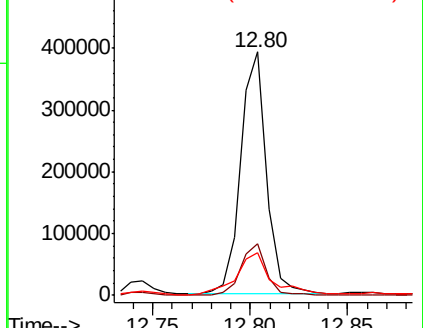
203 17.4 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 63.855 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

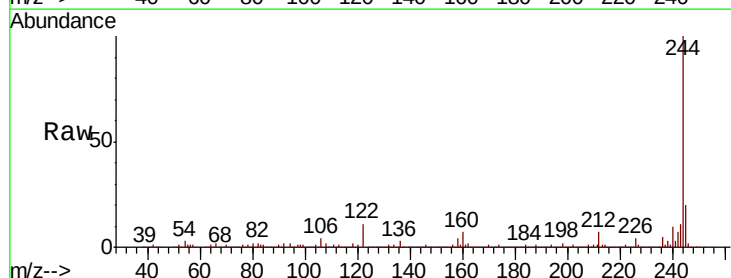
Tgt Ion:244 Resp: 1111403

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

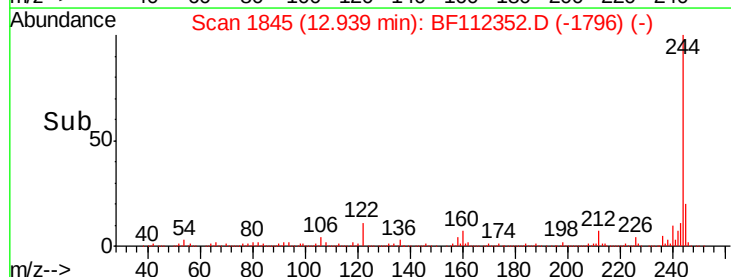
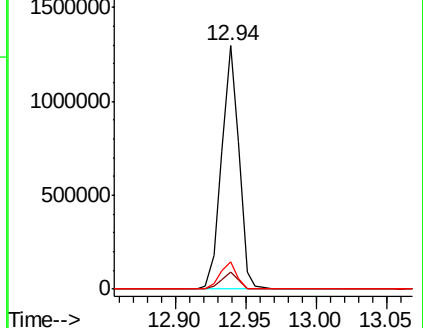
122 11.4 9.8 14.6

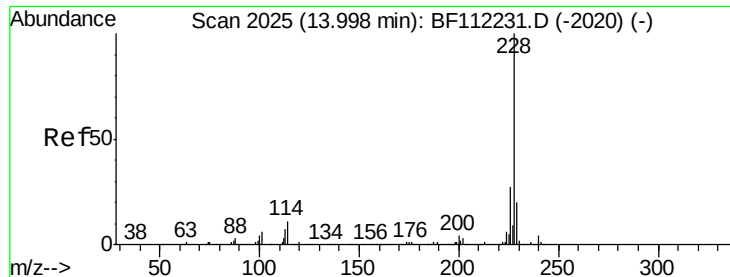


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.009 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.03 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA\_F

ClientSampleId :

0037-COMP-3

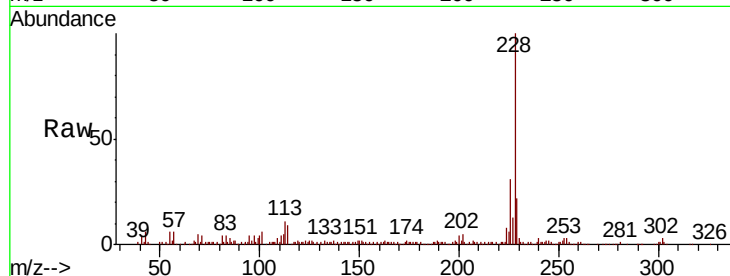
Tot Ion:228 Resp: 135067

Ion Ratio Lower Upper

228 100

226 30.5 22.6 34.0

229 22.5 16.5 24.7

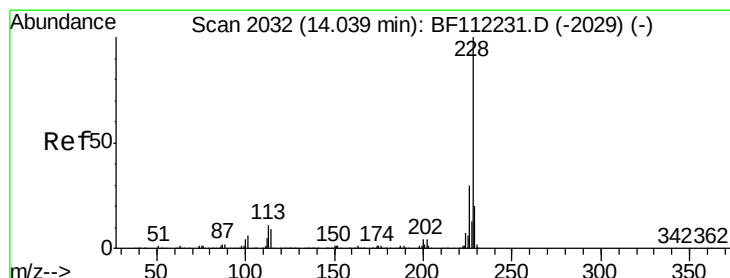
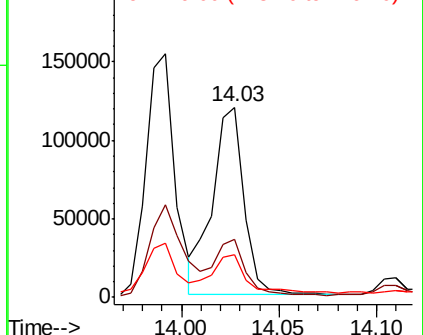
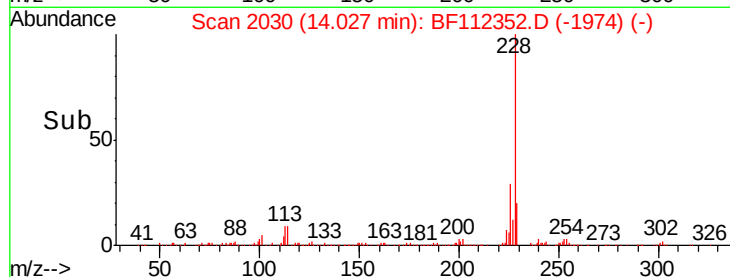


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 7.343 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

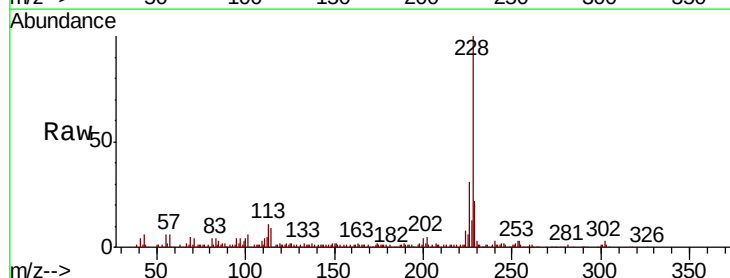
Tgt Ion:228 Resp: 135067

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

229 22.5 16.6 24.8

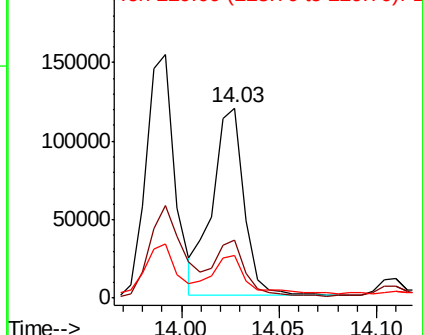
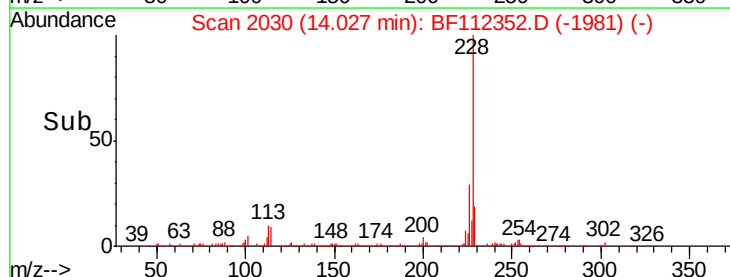


Abundance

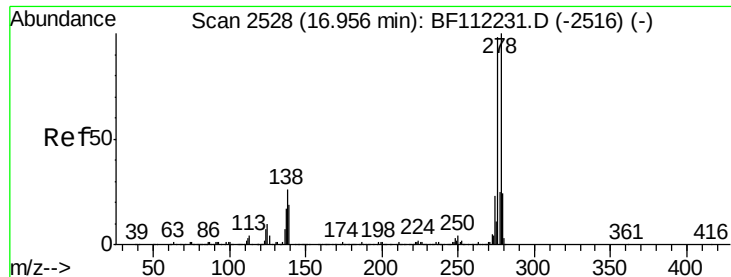
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E







#86

Indeno(1,2,3-cd)pyrene

Concen: 5.731 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

Instrument :

BNA\_F

ClientSampleId :

0037-COMP-3

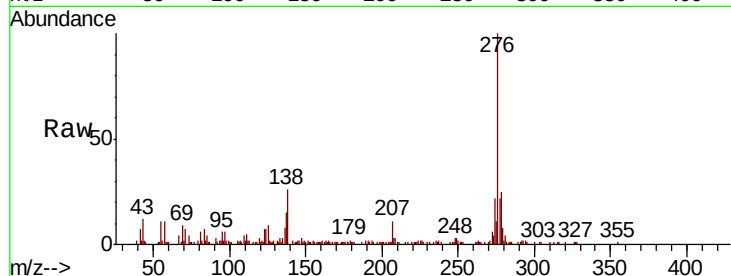
Tot Ion:276 Resp: 83535

Ion Ratio Lower Upper

276 100

138 22.4 22.6 34.0#

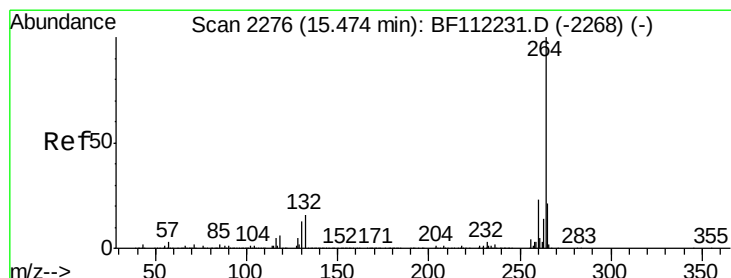
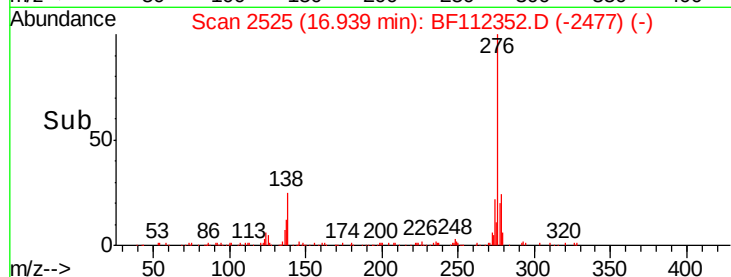
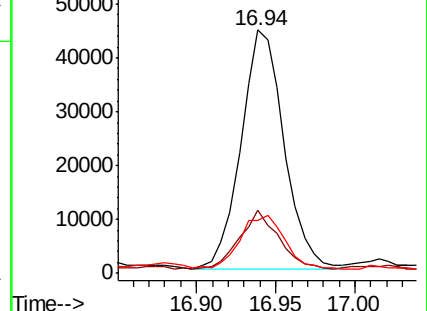
277 23.2 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112352.D

Acq: 1 Feb 2019 15:35

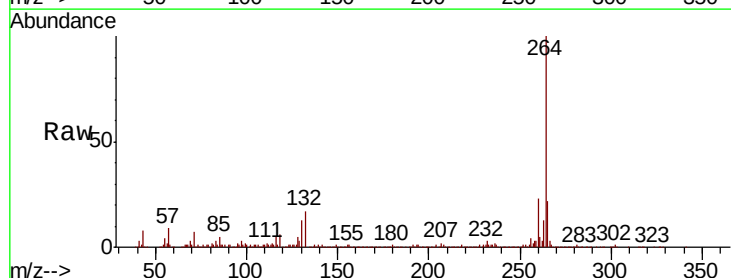
Tgt Ion:264 Resp: 358671

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

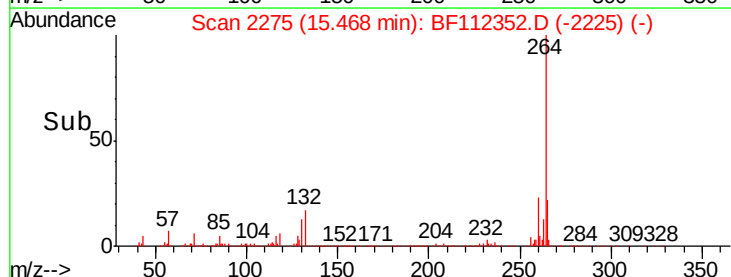
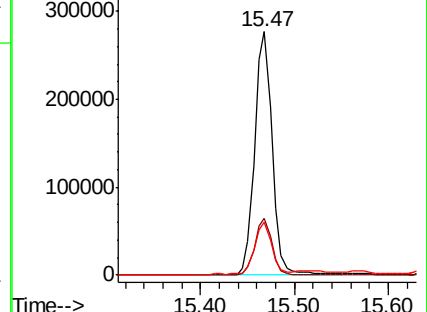
265 21.7 17.0 25.4

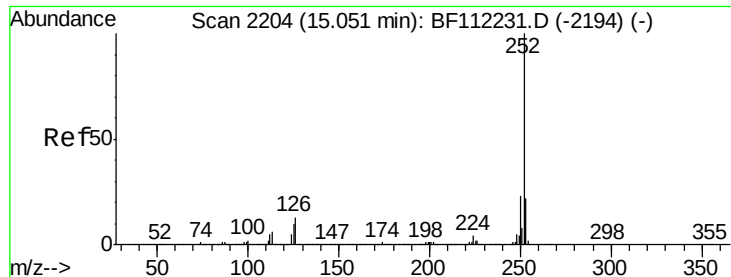


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

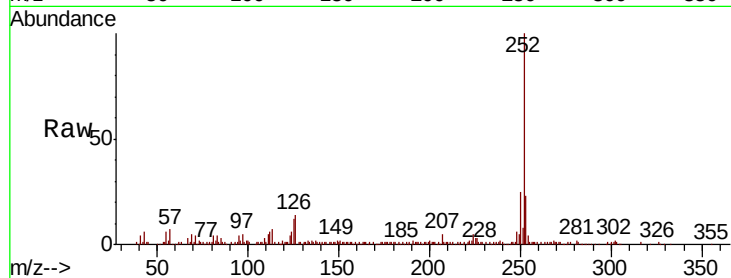




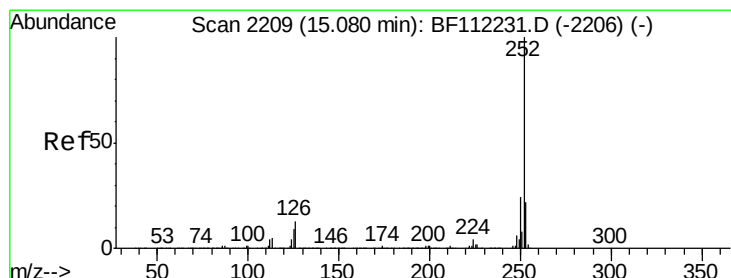
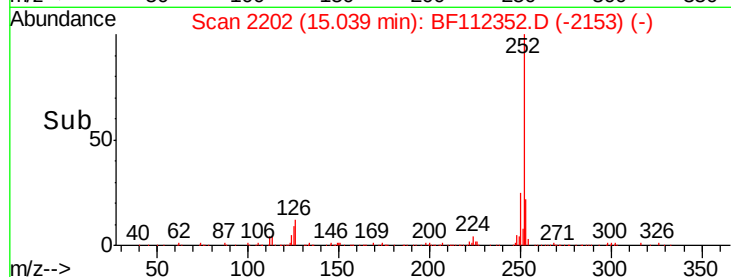
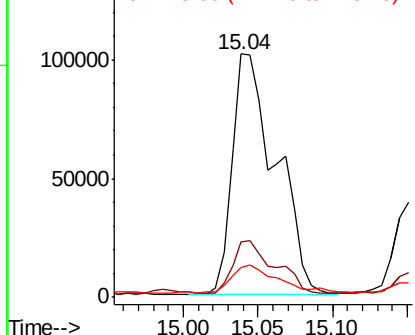
#88  
Benzo(b)fluoranthene  
Concen: 9.688 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

Instrument :  
BNA\_F  
ClientSampleId :  
0037-COMP-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.0  | 27.0  |
| 125     | 12.0  | 8.7   | 13.1  |

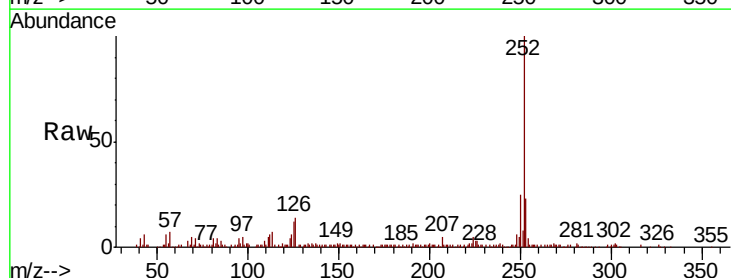


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

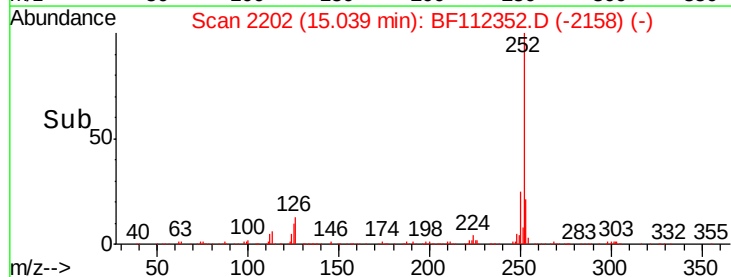
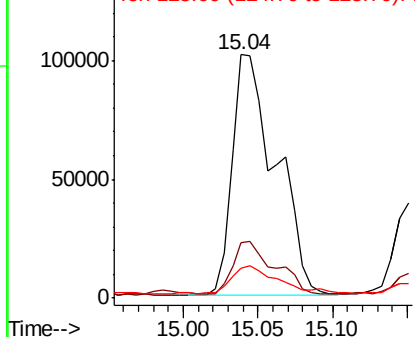


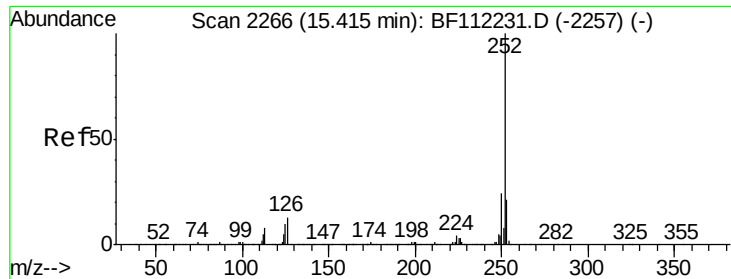
#89  
Benzo(k)fluoranthene  
Concen: 10.114 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.04 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.0  | 27.0  |
| 125     | 12.0  | 9.1   | 13.7  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

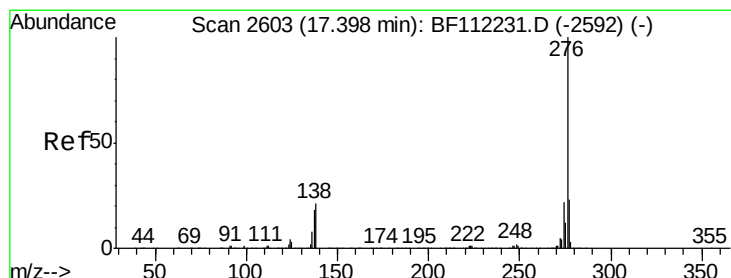
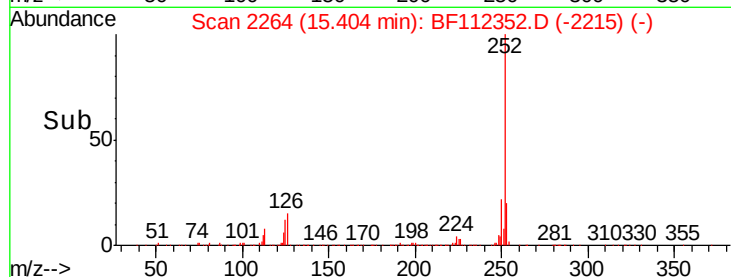
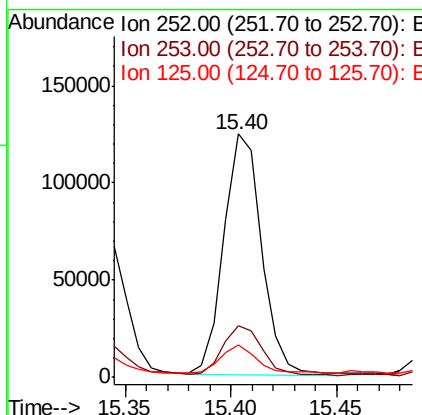
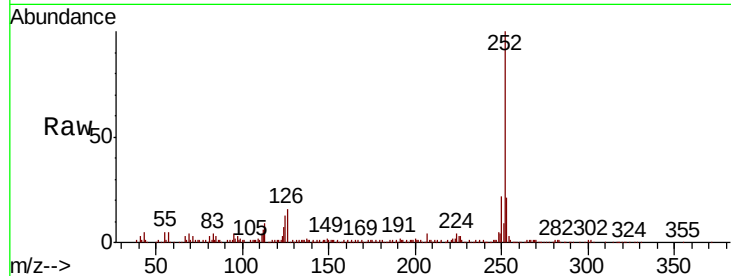




#90  
Benzo(a)pyrene  
Concen: 7.977 ng  
RT: 15.40 min Scan# 2264  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

Instrument :  
BNA\_F  
ClientSampleId :  
0037-COMP-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 17.5  | 26.3  |
| 125     | 13.2  | 9.0   | 13.4  |



#92  
Benzo(g,h,i)perylene  
Concen: 5.597 ng  
RT: 17.39 min Scan# 2601  
Delta R.T. -0.01 min  
Lab File: BF112352.D  
Acq: 1 Feb 2019 15:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.4  | 19.4  | 29.0  |
| 138     | 21.2  | 19.1  | 28.7  |

